

STEREO MOC Status Report  
Time Period: 2008:014 - 2008:020

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 014, during the track with DSS-55 at 03:45Z, telemetry status indicated occasional Turbo Decoder Bad Frames. The indicated 31 bad telemetry frames resulted in very brief intervals of SECCHI missing data. No indication was given from the station as to the cause of the degraded signal reception and no DR was written.
- On day 017, an APL Internal Network Outage disrupted all communications to the STEREO OPS-DMZ network from 04:21Z to 09:10Z. Normal automated track operations between DSMS and the STEREO IONET were unaffected; however, remote track monitoring processes were unavailable during the unattended overnight track with DSS-55 on Ahead. After receiving page notifications of the network problem, verification of receipt of S/C telemetry directly was obtained from JPL's CDR facility website. The APL network failure also interrupted FTP data transfers to the MOC telemetry archive servers. These data transfers were re-queued the following day and all downlinked telemetry data were successfully recovered.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. IMU 2 continues to be used nominally on the Ahead spacecraft. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Ahead was 10.3 Gbits during this week and ended on day 020.
- The second SECCHI campaign was conducted throughout this week and ended on day 020.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 017, an APL Internal Network Outage disrupted all communications to the STEREO OPS-DMZ network from 04:21Z to 09:10Z. Normal automated track operations between DSMS and the STEREO IONET were unaffected; however, remote track monitoring processes were unavailable during the second half of the unattended overnight track with DSS-24 on Behind. After receiving page notifications of the network problem, verification of receipt of S/C telemetry was obtained directly from JPL's CDR facility website. The APL network failure also interrupted FTP data transfers to the MOC telemetry archive servers running on the OPS-DMZ. These data transfers were re-queued the following day and all downlinked telemetry data were successfully recovered.
- The tracks which were originally scheduled on day 018 were modified with SECCHI concurrence in order for the DSN stations to support DAWN and ULYSSES problems. This resulted in 1 hour and 50 minutes shorter track duration on this day.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally during the week. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Behind was 8.9 Gbits during this week.
- The second SECCHI campaign was conducted throughout this week and ended on day 020.
- On day 014, SECCHI experienced a reset at 09:57Z. The SECCHI team reconfigured the instrument during the track at 13:00Z this day and SECCHI was returned to operational mode at 16:30Z. This was the 5<sup>th</sup> reset of SECCHI on the Behind spacecraft.
- On day 016, during the track with DSS-65, IMPACT/SEP successfully performed a table load.